Claims

1. Within a document server, a computer-implemented method for processing a request for a document comprising at least one hypertext markup language (HTML) element, the method comprising:

parsing the requested document to generate therefrom a corresponding document object model (DOM) including at least one object;

obtaining a transformation instruction directed to a first object of the DOM;

transforming the first object in accordance with the transformation instruction; and

flattening the DOM to generate therefrom a corresponding transformed document.

2. The method of claim 1, wherein the obtaining step comprises:

reading a transformation instruction from a script file corresponding to the requested document.

3. The method of claim 2, further comprising:

receiving a request for a document from a client program; and

identifying a script file within the document server corresponding to the requested document.

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4. The method of claim 3, wherein the client program comprises a Web browser.

5. The method of claim 2, further comprising:

receiving a request for a script file from a client program; and

identifying a document within the document server corresponding to the requested script file.

6. The method of claim 2, wherein the script file is included within a separate portion of the document.

7. The method of claim 2, wherein the script file and the document comprise logically separate data files.

8. The method of claim 1, further comprising:

transmitting the transformed document to a client program.

9. The method of claim 1, wherein the transforming step comprises:

retrieving a value from a database; and

assigning the value to an object of the DOM.

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10. The method of claim 1, wherein the transforming step comprises:

replacing a first object of the DOM with a different second object.

11. A system for processing a request for a document comprising at least one hypertext markup language (HTML) element, the system comprising:

a parsing module configured to parse a requested document to generate therefrom a corresponding document object model (DOM) including at least one object;

an instruction obtaining module configured to obtain a transformation instruction directed to a first object of the DOM;

an object transformation module configured to transform the first object in accordance with the transformation instruction; and

a flattening module configured to flatten the DOM to generate therefrom a corresponding transformed document.

12. The system of claim 11, wherein the instruction module comprises:

a script file access module configured to read a transformation instruction from a script file corresponding to the requested document.

13. The system of claim 12, further comprising:

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a request reception module configured to receive a request for a document from a client program and identify a script file corresponding to the requested document.

14. The system of claim 13, wherein the client program comprises a Web browser.

15. The system of claim 12, further comprising:

a request reception module configured to receive a request for a script file from a client program and identify a document corresponding to the requested script file.

16. The system of claim 12, wherein the script file is included within a separate portion of the document.

17. The system of claim 12, wherein the script file and the document comprise logically separate data files.

18. The system of claim 11, further comprising:

a transmission module configured to transmit the transformed document to a client program.

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19. The system of claim 11, wherein the object transformation module comprises:

a database query module configured to retrieve a value from a database; and

a value assignment module configured to assign the value to an object of the DOM.

20. The system of claim 11, wherein the object transformation module comprises:

an element replacement module configured to replace a first object of the DOM with a different second object.

~~21~~. An article of manufacture comprising a program storage medium readable by a processor and embodying one or more instructions executable by the processor to perform a computer-implemented method for processing a request for a document comprising at least one hypertext markup language (HTML) element, the method comprising:

parsing the requested document to generate therefrom a corresponding document object model (DOM) including at least one object;

obtaining a transformation instruction directed to a first object of the DOM;

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transforming the first object in accordance with the transformation instruction; and

flattening the DOM to generate therefrom a corresponding transformed document.

22. The article of manufacture of claim 21, wherein the obtaining step comprises:

reading a transformation instruction from a script file corresponding to the requested document.

23. The article of manufacture of claim 22, the method further comprising:

receiving a request for a document from a client program; and

identifying a script file corresponding to the requested document.

24. The article of manufacture of claim 23, wherein the client program comprises a Web browser.

25. The article of manufacture of claim 22, the method further comprising:

receiving a request for a script file from a client program; and

identifying a document corresponding to the requested script file.

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26. The article of manufacture of claim 22, wherein the script file is included within a separate portion of the document.

27. The article of manufacture of claim 22, wherein the script file and the document comprise logically separate data files.

28. The article of manufacture of claim 21, the method further comprising:

transmitting the transformed document to a client program.

29. The article of manufacture of claim 21, wherein the transforming step comprises:

retrieving a value from a database; and

assigning the value to an object of the DOM.

30. The article of manufacture of claim 21, wherein the transforming step comprises:

replacing a first object of the DOM with a different second object.

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